

CARSON RIVER BASIN, CARSON DESERT

10312277 PAIUTE DRAIN BELOW TJ DRAIN NEAR STILLWATER, NV

LOCATION (REVISED).--Lat 39°36'33.53", long 118°33'15.96" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec. 07, T.20 N., R.31 E., Churchill County, Hydrologic Unit 16050203, on right bank, 6 mi north of Stillwater.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1990 to September 2002, October 2002 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 3,880 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair. Flow in canal is return flow from irrigated lands and ground water inflows from Fallon Indian Reservation. [See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.](#)

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 198 ft³/s, June 26, 1995; no flow many days, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 54 ft³/s, August 28, gage height, 17.02 ft; minimum daily discharge, 0.65 ft³/s, October 6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	---	---	---	---	1.1	1.7	3.0	1.6	5.7	0.66	19
2	1.7	---	---	---	---	1.7	2.2	20	2.2	1.8	6.6	10
3	0.98	---	---	---	---	1.6	0.82	20	1.5	1.7	8.1	24
4	1.2	---	---	---	---	1.3	0.81	7.6	0.99	0.99	12	32
5	0.75	---	---	---	---	1.2	2.3	5.2	1.7	0.79	3.2	3.9
6	0.65	---	---	---	---	1.1	2.6	8.0	1.9	0.72	8.9	1.4
7	0.69	---	---	---	---	0.99	2.8	14	1.5	0.70	31	1.2
8	0.73	---	---	---	---	0.94	6.3	13	2.6	2.5	26	3.3
9	0.98	---	---	---	---	0.90	9.1	5.2	2.3	5.7	26	2.9
10	0.98	---	---	---	---	1.9	5.7	15	1.8	2.0	22	5.8
11	1.1	---	---	---	---	2.1	4.1	23	1.4	3.2	18	10
12	0.99	---	---	---	---	2.1	4.7	14	2.4	4.5	18	6.9
13	0.88	---	---	---	---	1.8	4.9	6.3	1.7	1.1	19	4.7
14	0.85	---	---	---	---	1.5	4.1	6.5	2.4	0.74	16	5.6
15	0.87	---	---	---	---	1.2	8.9	11	1.9	12	20	1.7
16	0.81	---	---	---	---	0.91	11	8.8	1.1	25	13	2.1
17	0.68	---	---	---	---	0.76	4.0	2.0	0.94	22	5.3	0.97
18	4.1	---	---	---	---	0.71	3.7	5.5	0.72	18	8.4	1.4
19	10	---	---	---	---	0.74	3.9	3.2	1.0	18	39	5.6
20	7.7	---	---	---	---	0.75	3.7	2.8	2.3	12	31	8.8
21	3.9	---	---	---	---	0.76	3.3	2.0	3.6	5.6	25	15
22	1.7	---	---	---	---	0.80	8.8	2.3	5.0	4.8	31	19
23	3.4	---	---	---	---	0.80	9.3	1.1	2.6	7.3	32	9.6
24	5.2	---	---	---	---	0.82	3.8	6.7	3.5	1.4	32	11
25	5.5	---	---	---	---	0.84	4.8	8.3	4.1	1.5	36	15
26	5.5	---	---	---	---	0.88	9.1	7.5	13	2.2	36	13
27	5.2	---	---	---	---	0.88	7.4	4.1	9.6	1.4	35	5.6
28	3.7	---	---	---	---	0.87	4.4	3.6	15	0.89	43	6.9
29	3.5	---	---	---	---	0.86	3.8	9.5	7.3	0.97	34	7.9
30	6.1	---	---	---	---	0.85	4.1	5.4	5.9	1.4	36	11
31	5.7	---	---	---	---	0.88	---	2.1	---	0.73	29	---
TOTAL	87.84	---	---	---	---	34.54	146.13	246.7	103.55	167.33	701.16	265.27
MEAN	2.83	---	---	---	---	1.11	4.87	7.96	3.45	5.40	22.6	8.84
MAX	10	---	---	---	---	2.1	11	23	15	25	43	32
MIN	0.65	---	---	---	---	0.71	0.81	1.1	0.72	0.70	0.66	0.97
AC-FT	174	---	---	---	---	69	290	489	205	332	1,390	526

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

	MEAN	7.43	3.79	3.17	8.54	11.0	16.4	9.59	16.9	21.6	8.00	8.44	9.49
MAX	23.7	12.3	13.9	55.0	83.4	71.6	57.4	66.3	82.1	41.3	22.6	37.4	
(WY)	(1997)	(1997)	(1998)	(1997)	(1997)	(1996)	(1998)	(1999)	(1995)	(1995)	(2004)	(1993)	
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.28	0.42	0.00	0.00	
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(1992)	(1993)	(1993)	(1992)	(1992)	(1992)	(1992)	

SUMMARY STATISTICS

WATER YEARS 1991 - 2004

ANNUAL MEAN	11.1	
HIGHEST ANNUAL MEAN	28.8	1997
LOWEST ANNUAL MEAN	0.17	1992
HIGHEST DAILY MEAN	198	Jun 26, 1995
LOWEST DAILY MEAN	0.00	Dec 26, 1990
ANNUAL SEVEN-DAY MINIMUM	0.00	Dec 26, 1990
ANNUAL RUNOFF (AC-FT)	8,010	
10 PERCENT EXCEEDS	32	
50 PERCENT EXCEEDS	3.0	
90 PERCENT EXCEEDS	0.00	